

**REMARKS**

Claim 1 has been amended to incorporate the recitations of claim 4, and claim 4 has been canceled accordingly. Claim 6 has been amended to depend on claim 1. The claims have also been amended based on the disclosure in, e.g., paragraphs [39] and [127]-[134] in the specification.

Entry of the above amendment is respectfully requested.

**Anticipation Rejection**

On page 2 of the Office Action, in paragraph 2, claims 1-3 and 5-8 are rejected under 35 U.S.C. 102(b) as being anticipated by Herron et al.

In response, Applicant notes that claim 1 has been amended to incorporate the recitations of claim 4, which has not been included in this rejection. Accordingly, Applicant submits that this rejection has been overcome, and withdrawal of this rejection is respectfully requested.

**Obviousness Rejection**

On page 2 of the Office Action, in paragraph 4, claim 4 is rejected under 35 U.S.C. 103(a) as being unpatentable over Herron et al.

**The Examiner's Position**

The Examiner's position is basically that while Herron et al. does not teach the amount of pressure applied to the film during the heat pressing, one of ordinary skill in the art would have recognized that the amount of pressure applied during a heat pressing treatment is a result

effective variable, as the amount of pressure effects the compaction of the composite film. In this regard, the Examiner indicates that it would have been obvious to determine the optimum value of a result effective variable, such as pressure, through routine experimentation in the absence of a showing of a criticality in the claimed pressure.

### **Applicant's Response**

In response, Applicant submits that Herron merely teaches that thermal pressing may be performed, and that Herron does not teach or suggest pressing the radio-conductive material in a state where the radio-conductive material is formed on a substrate.

In general, applying a higher pressure to the radio-conductive material removes more voids embedded in the material. However, when a substrate is pressed together with the radio-conductive material, there exists a problem that the substrate may be broken or deformed. In order to solve this problem, the present invention defines the pressure to be not higher than 50kg/cm<sup>2</sup>.

Herron does not teach or suggest such a problem or such a solution to the problem. Thus, Herron does not teach or suggest the present invention.

Accordingly, Applicants submit that the invention as recited in the amended claims is not obvious over Herron, and thus withdrawal of this rejection is respectfully requested.

### **Conclusion**

In view of the above, reconsideration and allowance of this application are now believed to be in order, and such actions are hereby solicited. If any points remain in issue which the

AMENDMENT UNDER 37 C.F.R. § 1.111  
U.S. Application No.: 10/706,051

Attorney Docket No.: Q78183

Examiner feels may be best resolved through a personal or telephone interview, the Examiner is kindly requested to contact the undersigned at the telephone number listed below.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account.

Respectfully submitted,



Bruce E. Kramer  
Registration No. 33,725

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
Facsimile: (202) 293-7860

WASHINGTON OFFICE  
**23373**  
CUSTOMER NUMBER

Date: June 30, 2004